

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Currently Amended) In a wireless communication system supporting a uni-directional transmission, a method comprising:
- generating a payload transmission frame;
 - determining a header for the payload transmission frame;
 - compressing the header using a first format; and
 - placing at least one parameter for the first format in a decompression information segment, the at least one parameter configured to initialize decompression of the header and at least a subsequent header of a subsequent payload transmission frame, wherein the decompression information segment is independent ~~separate~~ from any payload transmission frame, and the decompression information segment is queued for transmission on the same channel as the payload transmission frame and regularly interleaved between broadcast content comprising a plurality of compressed headers and payload frames in a broadcast stream.
2. (Original) The method as in claim 1, wherein the uni-directional transmission is a broadcast service.
3. (Cancelled)
4. (Currently Amended) The method as in claim 2, [[3,]] wherein the broadcast stream of information is transmitted as Internet Protocol packets.
5. (Original) The method as in claim 2, wherein compressing further comprises: applying an ROHC format.

6. (Currently Amended) In a wireless communication system supporting a uni-directional transmission, a method comprising:
 - receiving a payload transmission frame, the payload transmission frame having a header compressed using a first format;
 - receiving at least one parameter describing the first format in a decompression information segment, the at least one parameter configured to initialize decompression of the header and at least a subsequent header of a subsequent payload transmission frame, wherein the decompression information segment is independent ~~separate~~ from any payload transmission frame, and the decompression information segment is received on the same channel as the payload transmission frame and regularly interleaved between broadcast content comprising a plurality of compressed headers and payload frames in a broadcast stream; and
 - decompressing the payload transmission frame using the first format.
7. (Original) The method as in claim 6, wherein the transmission frame is part of a broadcast stream of information.
8. (Original) The method as in claim 7, wherein the broadcast stream of information comprises Internet Protocol packets.
9. (Cancelled)
10. (Currently Amended) In a wireless communication system supporting a uni-directional transmission, an infrastructure element, comprising:
 - means for generating a payload transmission frame;
 - means for determining a header for the payload transmission frame;
 - means for compressing the header using a first format; and
 - means for placing at least one parameter for the first format in a decompression information segment, the at least one parameter configured to initialize

decompression of the header and at least a subsequent header of a subsequent payload transmission frame, wherein the decompression information segment is independent separate from any payload transmission frame, and the decompression information segment is queued for transmission on the same channel as the payload transmission frame and regularly interleaved between broadcast content comprising a plurality of compressed headers and payload frames in a broadcast stream.

11. (Currently Amended) In a wireless communication system supporting a uni-directional transmission, a wireless apparatus comprising:

means for receiving a payload transmission frame, the payload transmission frame having a header compressed using a first format;

means for receiving at least one parameter describing the first format in a decompression information segment, the at least one parameter configured to initialize decompression of the header and at least a subsequent header of a subsequent payload transmission frame, wherein the decompression information segment is independent separate from any payload transmission frame, and the decompression information segment is received on the same channel as the payload transmission frame and regularly interleaved between broadcast content comprising a plurality of compressed headers and payload frames in a broadcast stream; and

means for decompressing the payload transmission frame using the first format.

12. (Currently Amended) A digital signal storage device, comprising:

first set of instructions for receiving a payload transmission frame, the payload transmission frame having a header compressed using a first format;

second set of instructions for receiving at least one parameter describing the first format in a decompression information segment, the at least one parameter configured to initialize decompression of the header and at least a subsequent header of a subsequent payload transmission frame, wherein the decompression information

segment is independent ~~separate~~ from any payload transmission frame, and the decompression information segment is received on the same channel as the payload transmission frame and regularly interleaved between broadcast content comprising a plurality of compressed headers and payload frames in a broadcast stream; and

third set of instructions for decompressing the payload transmission frame using the first format.

13. (Currently Amended) A communication signal transmitted on a carrier wave, comprising:
 - a broadcast content portion comprising a plurality of transmission frames, each of the plurality of transmission frames having a compressed header;
 - and
 - a header protocol information portion regularly interleaved between broadcast content in a broadcast stream, the broadcast content comprising a plurality of transmission frames each having a compressed header, wherein the header protocol information portion includes information configured to initialize decompression of ~~for decompressing~~ at least one of the compressed headers and a subsequent one of the compressed headers of the plurality of transmission frames.
14. (Cancelled)
15. (Currently Amended) The communication signal as in claim 13, ~~[[14,]]~~ wherein the header protocol information portion is transmitted periodically.